FIG. 1

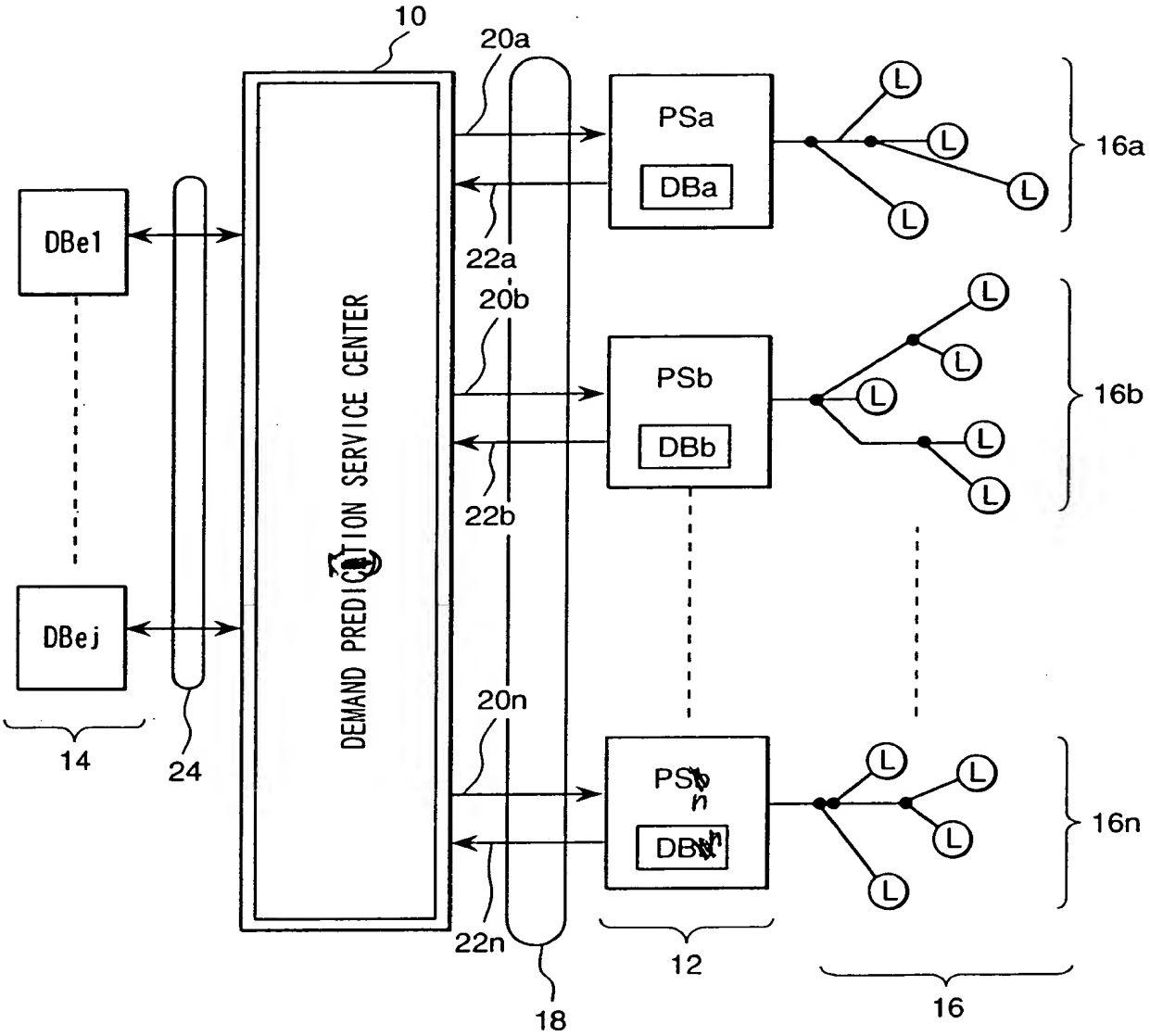

10
20a
PSa
DBa
16a
DBe1
22a
20b
PSb
DBb
16b
DEMAND PREDICTION SERVICE CENTER
DBej
22b
20n
PSn
DBn
16n
14
24
22n
12
18
16

FIG. 2

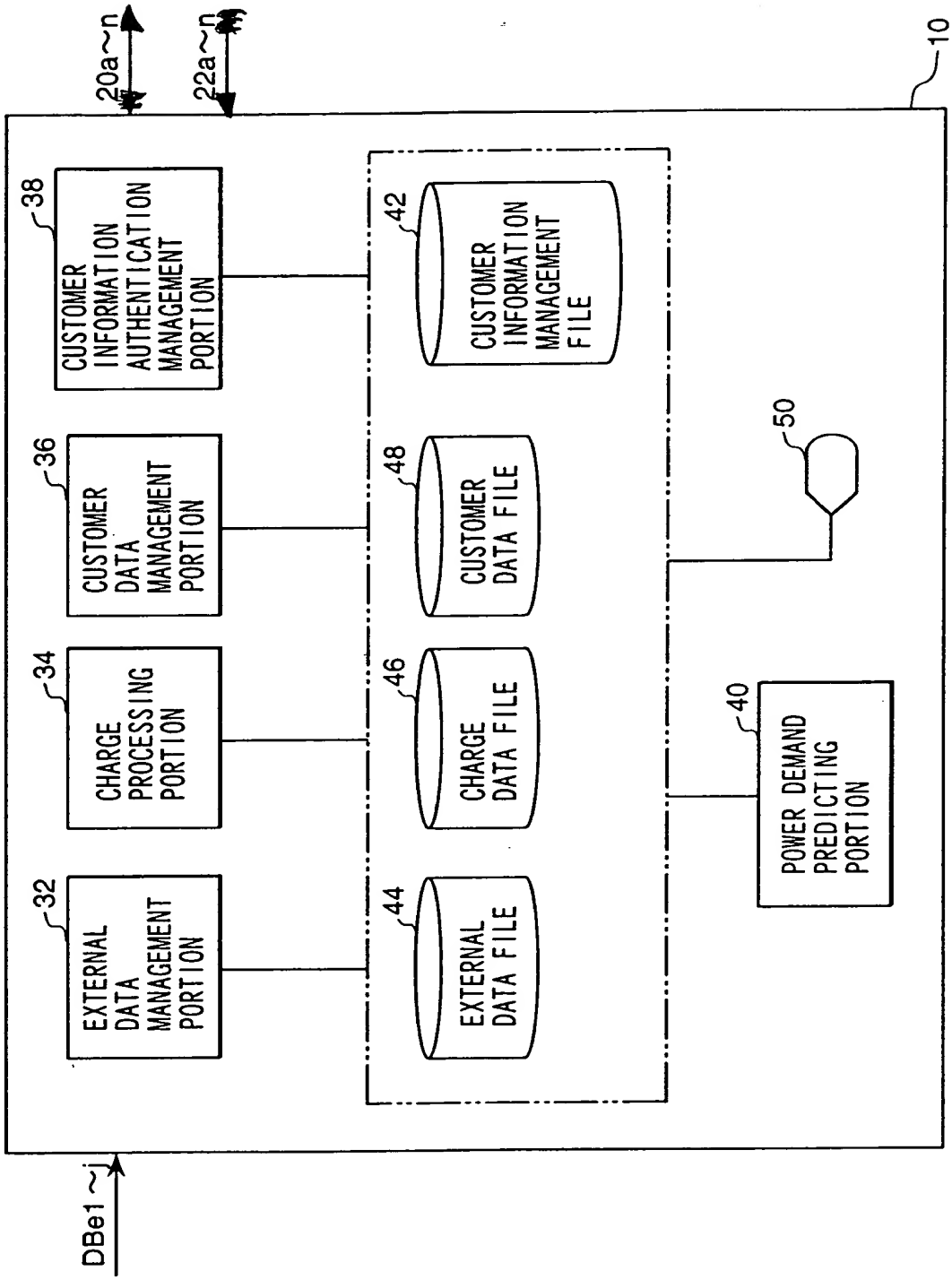

10
20a~n
22a~n
DBe1 ~j
38
CUSTOMER INFORMATION AUTHENTICATION MANAGEMENT PORTION
36
CUSTOMER DATA MANAGEMENT PORTION
34
CHARGE PROCESSING PORTION
32
EXTERNAL DATA MANAGEMENT PORTION
42
CUSTOMER INFORMATION MANAGEMENT FILE
48
CUSTOMER DATA FILE
46
CHARGE DATA FILE
44
EXTERNAL DATA FILE
50
40
POWER DEMAND PREDICTING PORTION

FIG. 3

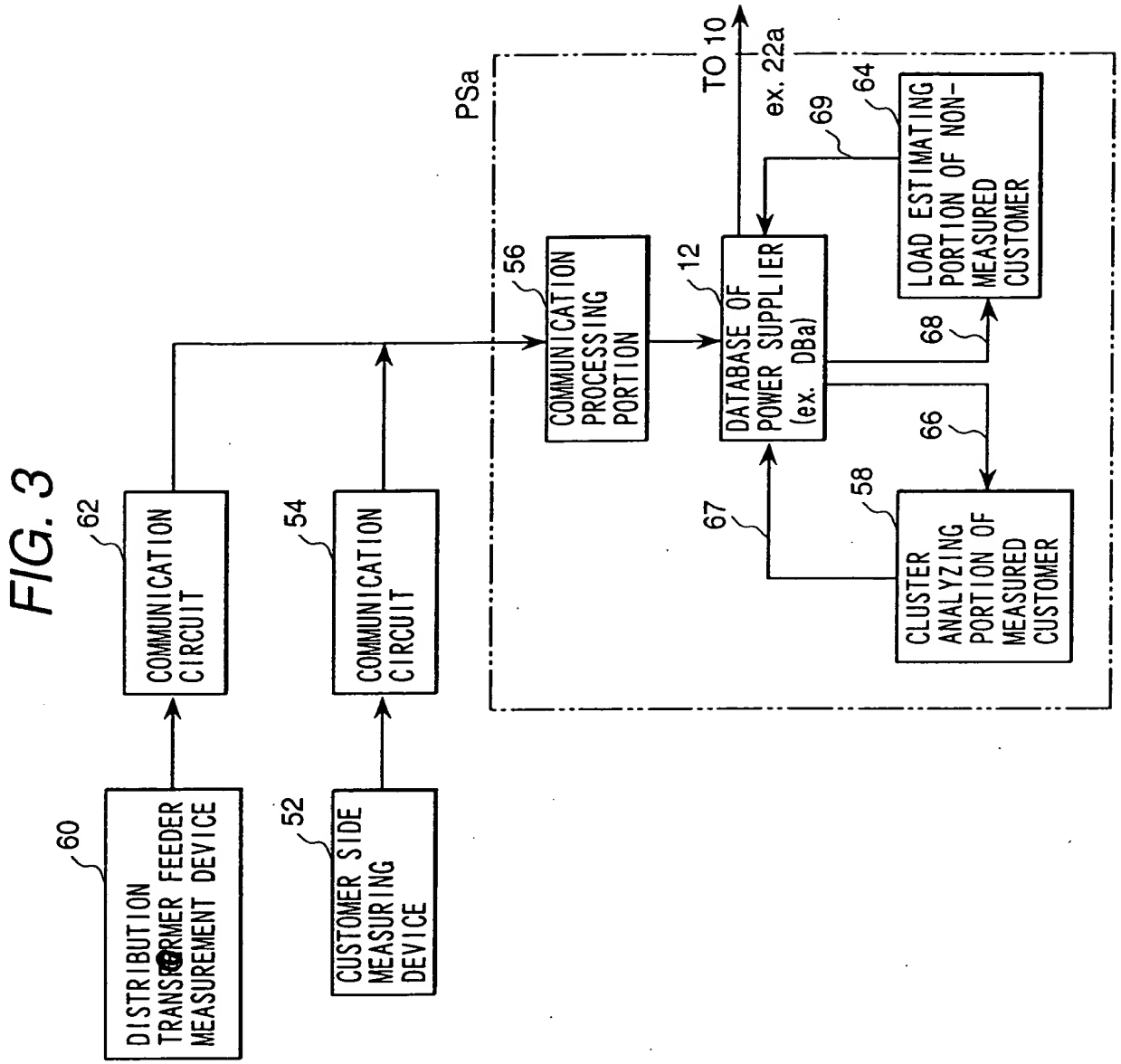

DISTRIBUTION TRANSFORMER FEEDER MEASUREMENT DEVICE
60
CUSTOMER SIDE MEASURING DEVICE
52
COMMUNICATION CIRCUIT
62
COMMUNICATION CIRCUIT
54
PSa
TO 10
ex. 22a
COMMUNICATION PROCESSING PORTION
56
DATABASE OF POWER SUPPLIER (ex. DBa)
12
LOAD ESTIMATING PORTION OF NON-MEASURED CUSTOMER
64
CLUSTER ANALYZING PORTION OF MEASURED CUSTOMER
58
69
68
66
67

FIG. 6A

NO.	PREDICTION METHOD		
(1)	CUSTOMER PERFORMING MONITORING	.....	APPLY ON-LINE VALUE
(2)	CUSTOMER PERFORMING MONITORING	.....	RELATIONSHIP BETWEEN RESULT OF CLUSTER ANALYSIS OF LOAD CURVE AND GENERAL INFORMATION
(3)	USE LOAD CURVE OF CLUSTER HAVING SIMILAR GENERAL INFORMATION WITH PAST RECORD OF CUSTOMER		
(4)	TOTAL DEMAND PREDICTION OF CUSTOMER	.....	USE LOAD PREDICTION VALUE PER GROUP
(5)	ZONE LOAD PREDICTION	.....	USE LOAD MONITORING VALUE OF RELEVANT ZONE
. . .			
. . .			

FIG. 6B

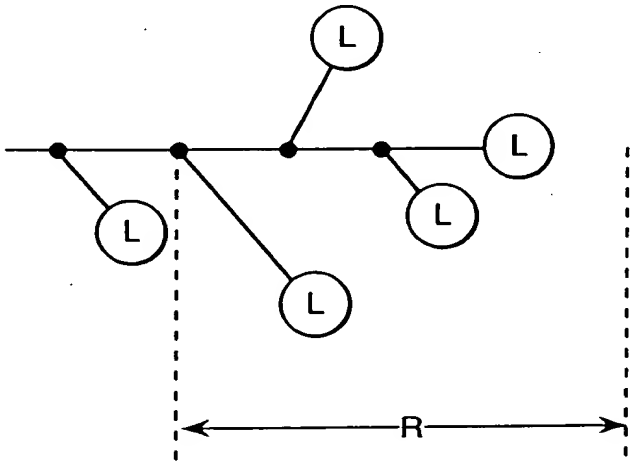
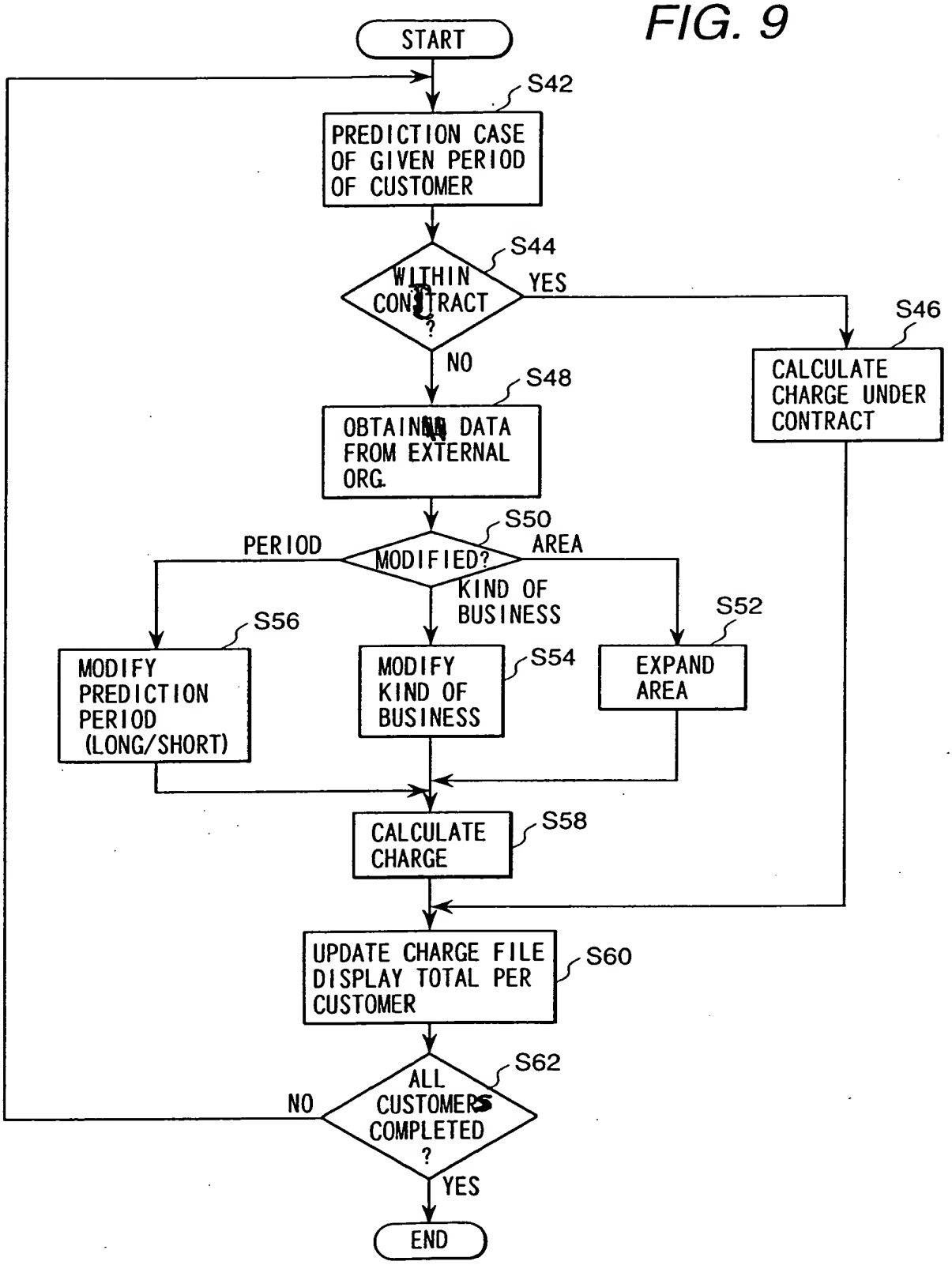


FIG. 9


START
S42
PREDICTION CASE OF GIVEN PERIOD OF CUSTOMER
S44
WITHIN CONTRACT ?
YES
NO
S46
CALCULATE CHARGE UNDER CONTRACT
S48
OBTAIN DATA FROM EXTERNAL ORG.
S50
MODIFIED?
PERIOD
AREA
KIND OF BUSINESS
S56
MODIFY PREDICTION PERIOD (LONG/SHORT)
S54
MODIFY KIND OF BUSINESS
S52
EXPAND AREA
S58
CALCULATE CHARGE
S60
UPDATE CHARGE FILE DISPLAY TOTAL PER CUSTOMER
S62
ALL CUSTOMERS COMPLETED ?
NO
YES
END